### NEW ZEALAND

<table>
<thead>
<tr>
<th>Output rank</th>
<th>Input rank</th>
<th>Region</th>
<th>Population (mn)</th>
<th>GDP, PPP$</th>
<th>GDP per capita, PPP$</th>
<th>GII 2018 rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>18</td>
<td>SEAO</td>
<td>4.7</td>
<td>199.3</td>
<td>40,135.4</td>
<td>22</td>
</tr>
</tbody>
</table>

### INSTITUTIONS

#### 2.1 Education
- 2.1.1 Expenditure on education, % GDP: 63.0
- 2.1.2 Government funding/pupil, secondary, % GDP/cap: 6.2
- 2.1.3 School life expectancy, years: 18.8
- 2.1.4 PSA scales in reading, maths, & science: 505.9
- 2.1.5 Pupil-teacher ratio, secondary: 13.6

#### 2.2 Tertiary education
- 2.2.1 Tertiary enrolment, % gross: 82.0
- 2.2.2 Graduates in science & engineering, %: 21.2
- 2.2.3 Tertiary inbound mobility, %: 19.8

#### 2.3 Research & development (R&D)
- 2.3.1 Researchers, FTE/mn pop.: 4,052.4
- 2.3.2 Gross expenditure on R&D, % GDP: 4.4
- 2.3.3 Global R&D companies, exp. exp. top 3 mn US$: 47.8
- 2.3.4 QS university ranking, average score top 3$: 50.1

### BUSINESS SOPHISTICATION

#### 5.1 Knowledge workers
- 5.1.1 GERD financed by business, %, %.: 43.8
- 5.1.2 Firms offering formal training, % firms: n/a
- 5.1.3 GERD performed by business, % GDP: 0.6
- 5.1.4 GERD financed by business, %, %.: 43.8
- 5.1.5 Females employed w/advanced degrees, %: 19.5

#### 5.2 Innovation linkages
- 5.2.1 University/industry research collaboration*: 64.7
- 5.2.2 State cluster development*: 55.2
- 5.2.3 GERD financed by abroad, %, %.: 7.8
- 5.2.4 JV-strategic alliance deals/bn PPP$ GDP: 0.1
- 5.2.5 Patent families 2+ offices/bn PPP$ GDP: 2.2

### HUMAN CAPITAL & RESEARCH

#### 2.4 Graduate student numbers, FTE/mn pop. & science: 505.9

### MARKET SOPHISTICATION

#### 4.1 Credit
- 4.1.1 Ease of getting credit*: 87.2
- 4.1.2 Domestic credit to private sector, % GDP: 100.0
- 4.1.3 Microfinance gross loans, % GDP: n/a

#### 4.2 Investment
- 4.2.1 Ease of protecting minority investors*: 81.7
- 4.2.2 Market capitalization, % GDP: 34.3
- 4.2.3 Venture capital deals/bn PPP$ GDP: 0.1

#### 4.3 Trade, competition, & market scale
- 4.3.1 Applied tariff rate, weighted avg.: 1.4
- 4.3.2 Electricity of local competition: 70.8
- 4.3.3 Domestic market scale, bn PPP$: 199.3

### INFRASTRUCTURE

#### 3.1 Information & communication technologies
- 3.1.2 Internet use*: 86.2
- 3.1.3 Government’s online service*: 18.8
- 3.1.5 E-participation*: 98.3

#### 3.2 General infrastructure
- 3.2.1 Electricity output, KWh/mn pop.: 8,953.9
- 3.2.2 Logistics performance*: 84.8
- 3.2.3 Gross capital formation, % GDP: 25.4

#### 3.3 Ecological sustainability
- 3.3.1 GDP/unit of energy use: 7.9
- 3.3.2 Environmental performance*: 76.0
- 3.3.3 ISO 14001 environmental certificates/bn PPP$ GDP: 15.7

### KNOWLEDGE & TECHNOLOGY OUTPUTS

#### 6.1 Knowledge creation
- 6.1.1 Patents by origin/bn PPP$ GDP: 5.4
- 6.1.2 PCT patents by origin/bn PPP$ GDP: 1.4
- 6.1.3 Utility models by origin/bn PPP$ GDP: n/a
- 6.1.4 Scientific & technical articles/bn PPP$ GDP: 26.4
- 6.1.5 Citable documents H-index: 33.9

#### 6.2 Knowledge impact
- 6.2.1 Growth rate of PPP$ GDP/worker: 1.0
- 6.2.2 New businesses/th pop. 15-64: 14.5
- 6.2.3 Computer software spending, % GDP: 0.3
- 6.2.4 ISO 9001 quality certificates/bn PPP$ GDP: 5.5
- 6.2.5 High- & medium-high-tech manufactures, % GDP: 0.1

#### 6.3 Knowledge diffusion
- 6.3.1 Intellectual property rights, % total trade: 0.7
- 6.3.2 ICT services exports, % total trade: 1.1
- 6.3.3 FDI net inflows, % GDP: -0.3

### CREATIVE OUTPUTS

#### 7.1 Intangible assets
- 7.1.1 Trademarks by origin/bn PPP$ GDP: 90.5
- 7.1.2 Industrial designs by origin/bn PPP$ GDP: 1.8
- 7.1.3 Copyrights by origin/bn PPP$ GDP: 73.5
- 7.1.4 ICTs & organizational model creation*: 71.3

#### 7.2 Creative goods & services
- 7.2.1 Cultural & creative services exports, % total trade: 0.5
- 7.2.2 National feature films/mn pop. 15-69: 6.2
- 7.2.3 Entertainment & Media market/th pop. 15-69: 59.0
- 7.2.4 Printing & other media, % manufacturing: 1.8
- 7.2.5 Creative goods exports, % total trade: 0.5

#### 7.3 Online creativity
- 7.3.1 Generic top-level domains (TLDs)/th pop. 15-69: 32.5
- 7.3.2 Country-code TLDs/th pop. 15-69: 59.7
- 7.3.3 Wikipedia edits/mn pop. 15-69: 59.7
- 7.3.4 Mobile app creation/bn PPP$ GDP: 15.9

**NOTES**
- ● indicates a strength; ○ a weakness; ◆ a strength relative to the other top 25-ranked GII economies; ○ a weakness relative to the other top 25-ranked GII economies; * an index; † a survey question; ** indicates that the economy’s data are older than the base year; see Appendix II for details, including the year of the data, at http://globalinnovationindex.org. Square brackets [ ] indicate that the data minimum coverage (DMC) requirements were not met at the sub-pillar or pillar level.